Amendments to the Claims:

1-25. (Canceled)

26. (New) A bispecific tetravalent homodimeric F_v antibody formed by two single-chain F_v monomers, each of said F_v monomers having at least four variable domains, wherein

said four variable domains are V_H-A, V_L-A, V_H-B and V_L-B, wherein V_H-A and V_L-A are V_H and V_L domains of an antibody specific for antigen A, respectively, and V_H-B and V_L-B are V_H and V_L domains of an antibody specific for antigen B, respectively;

V_H-A is linked to V_L-B by peptide linker 1, V_L-B is linked to V_H-B by peptide linker 2, V_H-B is linked to V_L-A by peptide linker 3; and

said peptide linker 1 and said peptide linker 3 are a peptide bond or have about 1 to about 10 amino acids; and said peptide linker 2 has 3 to about 10 amino acids.

27. (New) The F_v antibody of Claim 26, wherein said peptide linker 1 and peptide linker 2 have the amino acid sequence GG.

28. (New) The F_v antibody of Claim 26, wherein said peptide linker 2 comprises the amino acid sequence GGPGS.

29. (New) The F_v antibody of Claim 26, wherein the antibody is bispecific for human CD3 and CD19.

30. (New) A method of producing said single-chain F_v monomer of Claim 26, comprising the steps of:

ligating DNAs encoding said four variable domains, V_H-A, V_L-B, V_H-B, and V_L-A, of said single-chain F_v monomer with DNAs coding for peptide linker 1, peptide linker 2 and peptide linker 3 to produce a DNA encoding said single-chain F_v monomer; and

cloning the DNA encoding said single-chain F_v monomer construct into an expression plasmid to produce an expression plasmid for said single-chain F_v monomer;

transforming a host cell with the expression plasmid for monomer single-chain F_v monomer; and

cultivating the host cell under conditions that the single-chain F_v monomer is expressed.

31. The method of claim 30, wherein the expression plasmid for said single-chain F_v monomer is selected from the group consisting of pDISC3x19-SL, pPIC-DISC-SL and pDISC5-SL as deposited with DSM.